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## FIG 1

```
IF FPD_flag=TRUE
THEN IF end_of_frame(P_cell)
      THEN FPD_flag=FALSE
      discard_cell(P_cell)
ELSE IF PPD_flag=TRUE
      THEN IF end_of_frame(P_cell)
            THEN append_cell(P_cell)
            PPD_flag=FALSE
            ELSE discard_cell(P_cell)
      ELSE decide_cell(P_cell)
```

FIG 2A

```
IF (CLP=0)
THEN
  IF (first cell of frame) //comment: unmarked frame
  THEN IF (Logical_queue_length > S_PPD_0-MFS) OR
  ((Logical_queue_length > S_EPD_0) AND
  (Buffer_check_0=TRUE))
  THEN discard_cell(P_cell)
  IF end_of_frame(P_cell)=FALSE
  THEN FPD_flag=TRUE
  ELSE append_cell(P_cell)

IF (subsequent cell of frame) //e.g. Current_frame_length > 0
THEN IF end_of_frame(P_cell)
THEN append_cell(P_cell)
ELSE IF (Logical_queue_length ≥ S_PPD_0-1) OR
  ((Logical_queue_length > S_EPD_0) AND
  (Buffer_check_0=TRUE)) OR
  (Current_frame_length > MFS-1)
THEN discard_cell(P_cell)
  IF remove_last_frame
  THEN FPD_flag=TRUE
  ELSE FPD_flag=TRUE
  ELSE append_cell(P_cell)
```

FIG 2B

```
IF (CLP=1)
THEN
  IF (first cell of frame) //comment: marked frame
  THEN IF (Logical_queue_length ≥ S_PPD_1) OR
    [(Logical_queue_length > S_EPD_1) AND
    (Buffer_check_1 = TRUE)]
  THEN discard_cell(P_cell)
  IF end of frame(P_cell) = FALSE
  THEN FPD_flag = TRUE
  ELSE append_cell(P_cell)

IF (subsequent cell of frame) //e.g. Current_frame_length > 0
THEN IF end of frame(P_cell)
THEN append_cell(P_cell)
ELSE IF (Logical_queue_length ≥ S_PPD_1-1) OR
  [(Logical_queue_length > S_EPD_1) AND
  (Buffer_check_1 = TRUE)] OR
  (Current_frame_length > MFS-1)
THEN discard_cell(P_cell)
  IF remove_last_frame
  THEN FPD_flag = TRUE
  ELSE PPD_flag = TRUE
  ELSE append_cell(P_cell)
```